

Abstract

Method for Determining a Displacement Vector in Video/Image Processing

The invention relates to a method for determining a selection vector which represents a possible displacement vector for a displacement of an image area from a first position in a first image to a second position in a second image, wherein the method comprises the following procedural steps:

- a) Supplying a set of prediction vectors ;
- b) Supplying at least one fixed set of test vectors;
- c) Selecting at least one test vector from the set of test vectors, and performing an image comparison between a first image area in the first image and a second image area in the second image in order to obtain an image comparison result, wherein the position of the second image area is displaced relative to the first image area by at least one selected test vector;
- d) Comparing the at least one selected test vector with at least one selected prediction vector in order to obtain at least one vector comparison result for each selected test vector ;
- e) Supplying at least one quality characteristic for each selected test vector from the image comparison result obtained for this test vector, and from the vector comparison result;
- f) Determining a ranking order of the quality characteristics; and
- g) Selecting one of the test vectors based on the ranking order of the quality characteristics as the selection vector.